

CLAIMS

1. A method of providing an arbitrary sound as an RBT (RingBack Tone) in a communication network, comprising:

a first step, conducted by an HLR (Home Location Register's), of furnishing a call-originating exchanger with first information on whether RBT is to be replaced or not and second information informing a route to sound providing means through a response to a location request message received from the call-originating exchanger that sends the location request message to the HLR when a call connection is requested;

a second step, conducted by the call-originating exchanger, of requesting a trunk connection to both of a call-terminating exchanger and the sound providing means based on the response including the first and the second information while furnishing the sound providing means with information identifying a called; and

a third step, conducted by the sound providing means, of selecting an RBT-replacing sound based on the called-identifying information, and providing the selected RBT-replacing sound for a caller through the call-originating exchanger the trunk connection is made to.

2. The method of claim 1, wherein, if the call-originating exchanger detects through the call-terminating exchanger that the call is answered while the selected RBT-replacing sound is being provided for the caller, the call-originating exchanger requests the sound providing means to release the established trunk connection to terminate transmission of the RBT-replacing sound.

3. The method of claim 1, wherein the sound providing means searches for the selected RBT-replacing sound specified for the called through communication with a storager

controller operating based on internet protocol.

4. The method of claim 1, wherein the request of trunk connection from the originating exchanger to the sound providing means is selectively conducted based on the first
5 information included in the response.

5. The method of claim 1, wherein the first information indicates whether an RBT is to be replaced or not and is set in the HLR based on specific key information received from a terminal of the called.

10 6. The method of claim 5, wherein the first information is written in a reserve field allocated in value-added service parameters of subscriber' s profile.

7. The method of claim 1, wherein the sound providing means determines the RBT-replacing sound based on who the
15 caller is, which group the caller belongs to among several groups classified by the called, and/or call time.

8. The method of claim 1, wherein a signal requesting the call connection to the called includes terminal identifying information of the called and the caller.

20 9. The method of claim 8, wherein the terminal identifying information of the called and the caller is subscriber telephone numbers of the called and the caller, respectively.

10. The method of claim 3, wherein the storager
25 controller changes a sound code of an RBT-replacing sound specified for the called with another code through communication with a web server operating based on internet protocol.

11. The method of claim 10, wherein said another code is
30 a code related with already stored RBT-replacing sound in the sound providing means or is a newly-assigned code for newly stored sound after received from the web server.

12. The method of claim 11, wherein, after being

connected to the sound providing means and the storager controller, the web server changes the RBT-replacing sound based on subscriber identifying information entered through an input web page.